

LOCTITE CORPORATION

FEB 17 1982

DPM 6082-5
MATERIAL SAFETY DATA

(INFORMATION WILL BE TREATED AS CONFIDENTIAL)

SECTION I	MATERIAL IDENTIFICATION	NAME: Loctite 290	PART NO. 290 (Grade R)
MANUFACTURER'S NAME		Loctite Corporation	
ADDRESS (Number, Street, City, State, Zip Code)		705 N. Mountain Rd., Newington, CT 06111	
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS	
CHEMICAL FAMILY		FORMULA NUMBER	

SECTION II	CHEMICAL AND PHYSICAL PROPERTIES (USE ADDITIONAL SHEETS IF NECESSARY)		
MOLECULAR WT	BOILING POINT	MELTING POINT	SPECIFIC GRAVITY (water=1) or BULK DENSITY
	~ 300 °F		1.07 @ 80 °F
VAPOR DENSITY (air=1)	VAPOR PRESSURE (mm Hg)		
	45 @ 80 °F		
SOLUBILITY	ODOR/APPEARANCE	DMF	INDEX OF REFRACTION
Low in water	Mild, green		
CORROSIVE ACTION ON MATERIALS (e.g. aluminum, carbon steel, copper, rubber, plastics, etc.)			

DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO	AIR	WATER	HEAT	STRONG OXIDIZERS	POSSIBLE PRODUCTS PRODUCED ON DECOMP.
	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> No	

SECTION III	FLAMMABILITY AND EXPLOSIVE PROPERTIES		
CLOSED CUP FLASH POINT	SETAFLASH	IF FLASH POINT CHANGES DURING EVAPORATION GIVE DATA	
~ 200 °F			
EXPLOSIVE LIMITS (% BY VOL. IN AIR)	LOWER	UPPER	SUSCEPTIBILITY TO SPONTANEOUS HEATING
			<input checked="" type="checkbox"/> No
WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES?			SUITABLE EXTINGUISHING AGENTS
			CO ₂ , Foam, Dry Chemical
UNUSUAL FIRE OR EXPLOSIVE HAZARDS		COMPRESSED GASES	YES
		NAME	NO

SECTION IV	COMPOSITION	GIVE CHEMICAL NAMES OF COMPONENTS. IT IS IMPORTANT TO KNOW WHETHER ALCOHOL IS METHANOL. AN AROMATIC HYDROCARBON IS BENZENE. A CHLORINATED MATERIAL IS CARBON TETRACHLORIDE.
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HAZARDOUS MATERIALS		% by Weight	Permissible Exposure Limit	Oxidizer	Toxic	Flammable	Combustible	Corrosive	Radioactive	Sensitizer	Magnetic	Irritant
Must include any ingredients which are regulated or otherwise controlled due to their hazardous or toxic nature												
Dialkyl toluidine	~ 1	U		X								
Organic Hydroperoxide	~ 3	U	X									

Regulated by and reference number:

SECTION V	HEALTH HAZARD DATA
PERMISSIBLE EXPOSURE LIMITS	Does not apply.
EFFECTS OF OVEREXPOSURE	May cause dermatitis on prolonged contact in sensitive individuals.

EMERGENCY AND FIRST AID PROCEDURES	Skin and Eye Contact: Flush with water.
	Ingestion: Keep calm and obtain medical attention. LD ₅₀ > 10,000 mg/kg

SECTION VI	REACTIVITY DATA
STABILITY	CONDITIONS TO AVOID
UNSTABLE <input type="checkbox"/>	
STABLE <input checked="" type="checkbox"/>	

INCOMPATIBILITY (Materials to Avoid)	Will attack some thermoplastics.
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HAZARDOUS DECOMPOSITION PRODUCTS	
HAZARDOUS	MAY OCCUR <input type="checkbox"/> CONDITIONS TO AVOID

SECTION VII
SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Flush with shop solvents.

WASTE DISPOSAL METHOD

Standard for water-insoluble, non-toxic chemicals.

SECTION VIII
SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (general)	OTHER
PROTECTIVE GLOVES (type if required)	Recommended	EYE PROTECTION
OTHER PROTECTIVE EQUIPMENT		Recommended

SECTION IX
SHIPPING REGULATIONS FOR HAZARDOUS MATERIAL

A. IS THE ARTICLE SUBJECT TO SHIPPING REGULATION FOR HAZARDOUS MATERIAL UNDER EACH OF THE FOLLOWING MODES (1)
NOTE: (1), (2), (3), (4), REFER TO INSTRUCTIONS: MATERIAL SAFETY DATA SECTION IX

RAIL	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	BUS	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	PARCEL POST	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	UNITED PARCEL	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
TRUCK	<input type="checkbox"/> <input checked="" type="checkbox"/>	AIR (2)	<input type="checkbox"/> <input checked="" type="checkbox"/>	WATER CARRIER	<input type="checkbox"/> <input checked="" type="checkbox"/>		<input type="checkbox"/> <input checked="" type="checkbox"/>

B. IF ANY MODES IN "A." IS ANSWER "YES", COMPLETE THIS SECTION (IF NECESSARY ATTACH ADDITIONAL DETAIL SHEET)

TYPE OR CLASS DESCRIBED IN THE REGULATIONS		PROPER SHIPPING NAME (TRUE CHEMICAL OR OTHER NAME AS LISTED IN THE REGULATIONS)	
TYPE OF PACKING CONTAINER	SIZE OR QUANTITY IN PACKAGE	MAXIMUM QUANTITY OR GROSS WEIGHT LIMITS FOR FOLLOWING MODES	
OUTER CONTAINER DESCRIPTION (4)		RAIL	BUS
SPEC. NO. IF PUBLISHED IN REGULATIONS		TRUCK	PARCEL POST
		WATER CARRIER	UNITED PARCEL
		AIR	
MARKING REQUIREMENTS FOR OUTER CONTAINER		LABEL REQUIRED IF NOT EXEMPT	
MODE	MARKING	MODE	LABEL
<input type="checkbox"/> RAIL		<input type="checkbox"/> RAIL	
<input type="checkbox"/> TRUCK		<input type="checkbox"/> TRUCK	
<input type="checkbox"/> WATER CARRIER		<input type="checkbox"/> WATER CARRIER	
<input type="checkbox"/> AIR		<input type="checkbox"/> AIR	
<input type="checkbox"/> BUS		<input type="checkbox"/> BUS	
<input type="checkbox"/> PARCEL POST		<input type="checkbox"/> PARCEL POST	
<input type="checkbox"/> UNITED PARCEL		<input type="checkbox"/> UNITED PARCEL	

C. SHIPPING PAPERS OR /DOCUMENTS INFORMATION (USE ADDITIONAL SHEETS IF NECESSARY FOR DETAILS)

CERTIFICATE REQUIRED	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
CHARGED PRESSURE (PSI) _____	<input type="checkbox"/> <input checked="" type="checkbox"/>
SPECIAL STOWAGE REQUIREMENT OR INSTRUCTION FOR CARRIER	<input type="checkbox"/> <input checked="" type="checkbox"/>

OTHER INFORMATION SUCH AS RESTRICTIONS FOR SHIPMENT VIA CARGO AIRCRAFT ONLY

IF YES, SPECIFY THOSE REQUIREMENT SUCH AS TEMPERATURE LIMITS LOCATION ON CARRIER VEHICLE, EXPOSURE OR STOWAGE WARNING INSTRUCTIONS, ETC.

SECTION X
SPECIAL PRECAUTION & CONCLUSION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store below 110°F to preserve shelf life.

ADDITIONAL SUPPLIER COMMENTS

Avoid prolonged skin contact.

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